

TCGACTGGGG CCCCAACGGT GGCCCCGACC TCATCGTCGA CAAAGGGGGT GAGGCCACTC 480
TCCTCATCCA CGAAGCGGTC AAGGCTGANG AAGANTACGA AAAAGACCGG CAAGCTGCC 540
5 GATCGGGCCT CCACGGAAAA CGCCGAATTC CAAATCGTGC TGGGGATTAT CGCGNANCGG 600
CTCCAGGTGN AACCCNAAA ATTACGCGCC AGATNAAAGA ACCCTCCTCC GCTTTTGTAA 660
10 GAAAAACAN CNCGGTTCA NCGAATCTAC CANATGCCAG GGCCANCGG GGCCCTTTCG 720
TTCTTTCCCC CNCCCCANTC NAACNTTCN ACGAATCCCC GTTTTACCN AAAAACCAAN 780
TTTGAACAA CCT 793

15 (2) INFORMATION FOR SEQ ID NO: 10:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 847 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

- (vii) IMMEDIATE SOURCE:
(B) CLONE: U-U32

30 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

CGGCACGAGG CGACGCCGGC TTTCGCCTCC GCGTCTCCCT CCACCTCCAC TGCCACCGCC 60
35 GCCCTCGCCT CCCCTCCCC AAATCGGTG ACTCCGCCGC CGTACAGAC CCCGACATCC 120
TATTCAGTGA CGCGCCGGC CGCCGCGTG CCGACTGCCT CTCCTTCGCT GTGACGAGCC 180
40 TCCCTGTCTC CGACGGCAGG ACCCGATGG AAGCCTACGA GGAGTTCTTC CGGAGCTTCC 240
GCCTCGCCTT CGCTGACTTC TTTGGTTCCG TCATTACGGA TATCACGATC GGTCCTGGGC 300
CAAATGGCGA GTCCTGTTAC CTTCTGTTTC CTCCTACTGG AAGCAATCGT TTCACGGTG 360
45 TAGGAGAATT CCAGTGTAT GACAAATACA TGCTTGCCGA TCTCAAACA CACGCGGAGG 420
AAACCGGGCAG CCATTATGG GGCTCTCTG GTCTCACGA TGCCCTGGG TACAACCAT 480
CTCCGGAATT CGGCAACTTT TTCAAGGACC ATGGCGGCTC CTGGGANACA CCTACGGGC 540
50 AATTCTTCTC CTCCTGGTAC ACCGGCAAGC TCCTGTCTCA CGGTGACGGC CTGCTCTCGG 600
TCGCGTCAGA AGTATTGGTG ATTTGCCTGT CGCGCTCTCG GGCAAGGTT CACTTCTGC 660
55 ATTTGTGGC AACGAACTC GGTGCGGCC GTCTTANCT GAAGGCCGGG TTCTNTNACA 720
CTTGACGGNA NAANAACNGG TTTCAAGGAT GTTGGCTAAN ATCTCCCGAA ANCTCCTGC 780
60 ANCATGATTC ATCCCGGCN TGGACTTCTC NGAAGGGGAA CANTCTCAG GGTGTTCCGG 840
TCTGCCC 847

(2) INFORMATION FOR SEQ ID NO: 11:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 822 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-055

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

10	GGCAGCAGGC ATGAGAGAACC CTGTTGCGAT GGGCATCATG GAGGAGCTTG AGGCCAGAG	60
	CGAGGTGTGG AACACATTT TTAGATTTCAT CACCTCCATG TCCGTCAAGT GCGCGTGGA	120
15	GCTCAGGGTC CCGCAGCCCA TCCACGCCCA CGGCGGCAAC GCAACTCTCC CTCAGCTGGC	180
	CGCCGCCCTC AGCTCCCTC CCGCAAGCT CGCGGACCTC CGACGCTCA TCGCATGCT	240
	GGTCCACGCC GGCTGCTTCG CCAAGCAGGA AGACNACGTG TACGCCCTCA CGCATGGTC	300
20	GAGGCTCCTG NTGAGCTCCG AGCACACGCG GGTAGCCCGG TTCTGGTGT GGATGCTCCA	360
	CCCGCTCATG GTGCAGTCGT GGCACCTCGT GGGGGCGTGG TTCCACGGGA GGGCGCCAC	420
25	CCCCTTCGCG GCAACCCACG GGAAGGGGA TCTTCGAGAC NACACNCAAA CAGCGGGGT	480
	TCGCGGCGCT TCTTCANCA NGCNATGGCG AACGACTGTC GGCTGGTGGG AAGGTGTGTG	540
	GTAANAACA TNCGATGTG TTGGANGGAN CNNGTGCCA TNGTGGAAGT TGTGGCGCA	600
30	CGGCAACCTT TTTNGCCAT TGTGGCCGA AGGCTTTCCG GCCAACATNA AATNGCACCG	660
	TTCTCCNANT TTGCCCACT TTCTGCGCN CNGCGCCGG GGGCCCN CN NACCNAAACA	720
35	ACTTGGATGT TTTTNGGGG AANACATNTT CCAACATTTT ACANCCGCNC GACNTTTTTT	780
40	ACNCAATTGG TTCNGGCNC NAATGGAAT ANTCTGNAT TT	822

(2) INFORMATION FOR SEQ ID NO: 12:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 743 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
(B) CLONE: U-072

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

55	GGCACAAGA GCCCTGTACC GGANAGCATG GAGAACCTTG TTGCGGTGGG CATCATGGAG	60
	GAGCTTGAGG CCCAGAGCGA GGTGTGGAAC CACATTTTGA GATTATCATC CTCCATGTCC	120
60	GTCAGGTGCG CGGTGGAGCT CAGGTCCTCC GACGCCATCC ACGCCACGG CGGCAACGCA	180
	ACTCTCCCTC AGCTGGCGCG CGCGCTCAGC CTCCTCCCG CCAAGCTCGC CGACTCCGA	240
65	CGCCTCATGC GCATGCTGGT CCACGCGCGG TGCTTCACCA AGCAGGAANA CNACGTGTNC	300
	GCCTCATCGC CATGGTCGAN GTCCTGGTG AGCTCCGANC ACACCTCGGT GGGCCGTTTC	360
	GTGGTGTGGA TGCTCCACCC GTCATGGTC CAGTCGTGGC ACTCNCTGGG GCGTGGTTC	420
70	CACGGGAAGG GCGCCACNC CCTTCNCNC NACCCNCGG AAGGGGATCT TCCANACGAC	480

ACNCGAACAT CCGGGGTTTC GGGGCGTCTT CAACTANGCG ATGGCGAAGC ACTGTCNGCT 540
GGTGGGAAAN GINTTGGTAA AAAAACCTTC CGGAAGTGTT NGANGGAACC CCGTCCAATN 600
5 GTGGAANTTG GTGGCGNCCG GCACCCCTTNC GGGCNATCGT TGTCGAAGNC CTTCNCNCAC 660
NTTANATTNC ACCGTCTCTC AATTNTCCCC ANTTTCTTTN GCCGCGNGNN NCGGGCCCCN 720
10 GGTNANCCNA AANCTTTTNT TTT 743

(2) INFORMATION FOR SEQ ID NO: 13:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 806 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:

- (B) CLONE: U-U69

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

TGTTCTCTCC TTGCATCACA TCTTTTGTCT CTGGGAAACG TGAGAGGTGA GACGAGGGCG 60
GCAATGACGG CGGGTTTAAG ATGGATTCTT CCTCTGCTTC TTCTTCTTCT GGGCTTCCTG 120
CTGGTTTTGA ACGGAGGTGC GGGGTGGATT GGAAGCGAGA GGTCTCTTGG CTCGAGGAAT 180
35 GCGGAGCAT CGCGAGGAG CTTGAGAGAG GCCTCGCGA ACGCGACCAG GCSCGATGCT 240
TCCTTGGAAG AGAGGGCTGT AACC CGGGCA GCAGAAGCCG CAGTCGACGA CCCGAGGAG 300
GTTGCTTCGA CGGTCTGAT GACCATAATC AACAGCACGG CTGCGAGATC TCTTGTTAT 360
40 CTGCTGTGCG GTTCAGGCAA CCGATCGAC GACTGCTGGC GGTGCGACCC TGATTGGCAT 420
GTCAACAGAA AAAAGCTCGC TGA CTGCGGC ATTGGCTTG GACGCAACGC NATANGTGGC 480
45 CGCGACGGGG AATTGTGTCG TTGTGACAGA CTCGCGGGAC NATGATCCCC GTGAATCTC 540
GCCCGGGAAC ACTTANATAC CCGCTCTCC AANGAAGTTG CCCCTCTGG GATCCCCCTT 600
50 AAACNCNAAN TGGAATCTC NCTCNANGGA AGAATCNTT ATGAACAGCT TTAANACNAT 660
CGATGGACNC NGTGCTCTG TCCACATTGC CAATGGGGCC TGNCNACCA NCCAATTCN 720
TCCCCACANT CTCTCTCNT NGCTCCNCT CCCCATGCA ACCNCCGGG AATTCCTNGT 780
55 CCCCNCTCCC CTCTCTCTAT GGATNG 806

(2) INFORMATION FOR SEQ ID NO: 14:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 687 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:

- (B) CLONE: U-U69